HDMI Coaxial Extender (Serial Model)

COS-S100HD-A

■Description

The IDK COS-100HD-A HDMI Coaxial Cable Extender is and extender for transmission of HDMI signals using a coaxial cable. Video signals are extended without converted into analog signals. The receiver has daisy chain model. The COS-S100HD-A is the model that can transmit control signals. The COS-S100HD-A enables HDMI transmission using the existing coaxial cables.

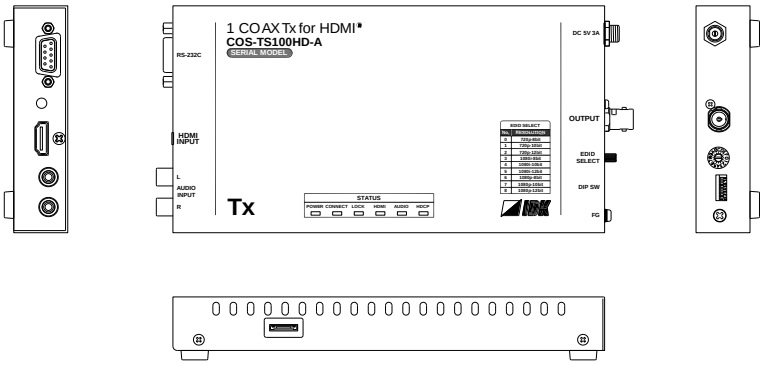
■Specification

Item				Description		
Model number				COS-TS100HD-A (Transmitter)	COS-RS100HD-A (Receiver)	COS-DS100HD-A (Daisy Chain)
Input	Video	Digital	Number / Signal	1 input / HDMI (HDCP) (*1) TMDS Single Link TMDS clock - 25 MHz to 225 MHz	1 input / Digital signals for extension	1 input / Digital signals for extension
			Connector	1 female HDMI Type A (*2)	1 BNC 75Ω	1 BNC 75Ω
		Others		Color depth: 24 bit, 30 bit, 36 bit Deep Color		
		Formats		SDTV/HDTV: 720p/1080i/1080p (*3)		
	Audio	Digital	Number / Signal	1 input / Multi-channel linear PCM up to 8 channels (*4) Sampling frequency - 32kHz to 192kHz Sample Size - 16bit to 24bit	1 input / Digital signals for extension	1 input / Digital signals for extension
			Connector	1 female HDMI Type A (*2)	1 BNC 75Ω	1 BNC 75Ω
		Analog	Number / Signal	1 input / stereo LR unbalanced signals (*5)	-	-
			Connector	1 RCA pin jack	-	-
Output	Video	Digital	Number / Signal	1 output / Digital signals for extension	1 output / HDMI (HDCP) (*1) TMDS Single Link TMDS clock - 25 MHz to 225 MHz	1 output / HDMI (HDCP) (*1) TMDS Single Link TMDS clock - 25 MHz to 225 MHz
			Connector	1 BNC 75Ω	1 female HDMI Type A (*2)	1 female HDMI Type A (*2)
		Daisy Chain	Number / Signal	-	-	1 output / Digital signals for extension
			Connector	-	-	1 BNC 75Ω
		Others		Color depth: 24 bit, 30 bit, 36 bit Deep Color		
		Formats		SDTV/HDTV: 720p/1080i/1080p (*3)		
	Audio	Digital	Number / Signal	1 output / Digital signals for extension	1 output / Multi-channel linear PCM up to 8 channels Sampling frequency: 48kHz Sample Size: 16bit to 24bit	1 output / Multi-channel linear PCM up to 8 channels, Sampling frequency: 48kHz Sample Size: 16bit to 24bit
			Connector	1 BNC 75Ω	1 female HDMI Type A	1 female HDMI Type A
		Analog	Number / Signal	-	1 output / stereo LR unbalanced signals	1 output / stereo LR unbalanced signals
			Connector	-	1 RCA pin jack	1 RCA pin jack
Plug & Play				DDC2B (Built-in EDID)		
Twisted pair cables				75 Ω coaxial cable for high frequency signal		
Signal transmission distance				6C-HD: Up to 330ft (approx.) <100m>, 5C-FB: Up to 330ft (approx.) <100m> *Distance if resolution is 1080p. This distance differs depending on transmission rate (*6) *Please be careful to use it with an adequate cable length *This distance may shorten due to jitter performance of the input video signals *Number of daisy chaining may be limited or cable extension distance may shorten if jitter performance at daisy chaining had degraded (*7)		
Functions				Anti-Snow (*8) Connection Reset (*9)		
Control	Serial control port (COS-S100HD-A)		Number / Signal	1 port / Full duplex Max. 115.2kbps		
			Connector	1 male 9-pin D-Sub		
Others	AC adapter			Input: 100 - 240 VAC ± 10%, 50 Hz/60 Hz ± 3 Hz, Output: 6VDC 2A 12Watt (AC adapter is supplied)		
	Power consumption			Around 10 Watt	Around 8 Watt	Around 9 Watt
	Dimensions			4.17(W)×0.79(H)×2.76(D)" (approx.)<106(W)×20(H)×70(D)mm> (Quarter rack, not including projections)		
	Weight			0.44 lbs. (approx.)<0.2kg>		
	Temperature			Operating temperature: 32°F to 104°F<0°C to +40°C> Storage temperature: -4°F to +176°F<-20°C to +80°C>		
	Humidity			Operating/ Storage humidity: 20 % to 90 % (Non Condensing)		

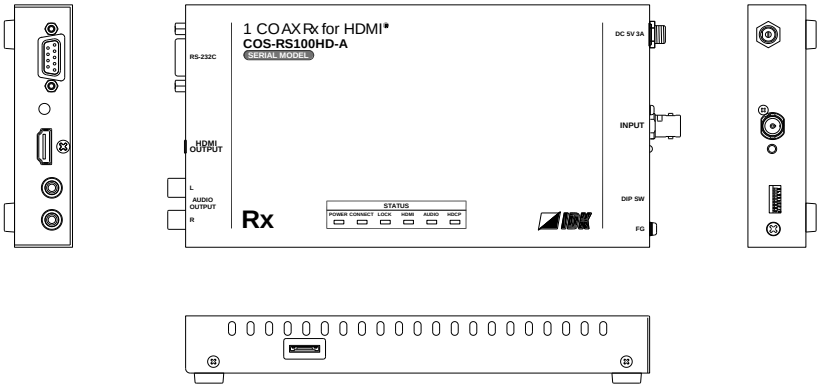
(*1) This product does not support CEC, xvYCC, Lip Sync, 3D, ARC, HEC
(*2) Please use an HDMI cable shorter than 5 m
(*3) The COS-S100HD-A only supports CEA-861 video formats. 480i, 480p, 576i, 576p or VESA (PC) formats are not supported.
(*4) Compressed HDMI audio is not supported
(*5) Audio signals cannot be transmitted if no appropriate video signal is input
(*6) Regarding max. Extension distance if using different kinds of cables or a cable joint (JJ), please refer to the user manual
(*7) Video with the resolution of 1080p can be daisy chained up to 11 devices if using 1 cable extending 100 m (5C-FB) and 15 devices if 80 m
(*8) Anti-snow function can fix snowy noise automatically that is a specific symptom of the signal having HDCP, mainly snow noise that arises during starting. Therefore, this function cannot work when snow noise has already occurred before starting or when snowy noise occurs because of bad status of transmission line.
(*9) Connection reset function can fix problems that can be repaired by taking off and putting in connectors. This function can work only in this product's output port, which sometimes will not take effect if another device is between output of this product and display device.

■ Front & Rear Panel

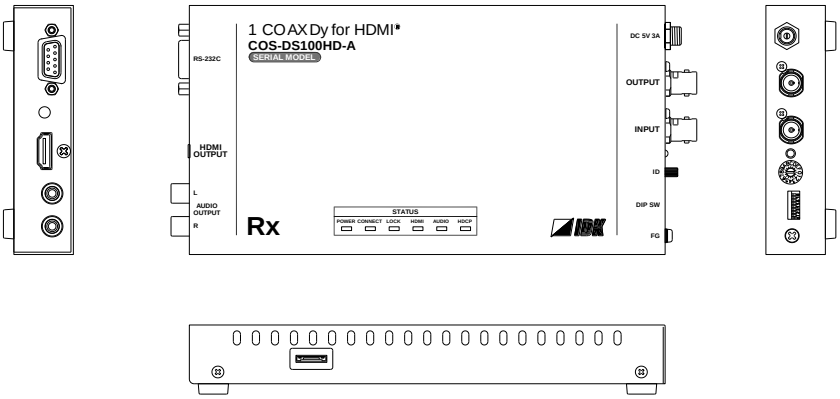
■ COS-TS100HD-A



■ COS-RS100HD-A



■ COS-DS100HD-A



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